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ENVIRON

March 19, 2001

Mr. Michael McAteer
USEPA, HSRW-6J
77 West Jackson Blvd.
Chicago, IL 60604-3590

Re: First Quarter 2001 Surface and Subsurface Water Monitoring Report
ECC Superfund Site
Zionsville, Indiana

Dear Mr. McAteer:

This report summarizes the monitoring of the till wells, the sand/gravel wells, and the surface water of the Unnamed Ditch at the ECC Superfund Site in Zionsville, Indiana during the first quarter of 2001.

The specific tasks completed during the first quarter of 2001 included:

- Collection of water level measurements from 16 monitoring wells on January 29, 2001;
- Sampling of the 6 off-site till monitoring wells and the 5 off-site sand/gravel monitoring wells, including ECC MW-13, during the week of January 29, 2001;
- Sampling of the 4 on-site till monitoring wells from January 29, 2001 to February 12, 2001;
- Sampling of 2 surface water locations within Unnamed Ditch during the week of January 29, 2001;
- Analysis of all the surface and subsurface water samples collected for the parameters specified in the Revised Remedial Action, Exhibit A, Revision 2, dated May 7, 1997 (Revised Exhibit A);

The following section provides a brief description of the first quarter sampling activities. The first quarter water level measurements, analytical results for the surface and subsurface water samples, and the field measurements and purge data are summarized in the attached tables.

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A. Subsurface Water Flow Determination

1. Data Collection

On January 29, 2001, the depth to water was measured in four on-site till monitoring wells, six off-site till monitoring wells, one off-site piezometer, and five off-site sand/gravel monitoring wells using an electronic water level meter.

The till and sand/gravel monitoring well locations are shown on Figure 1. Measurements were recorded to the nearest 0.01 foot. The depth to water measurements and the corresponding water elevation data derived from these measurements are presented in Table 1.

2. Subsurface Water Elevation Data

Subsurface water elevations and contours for the sand/gravel unit at the site, for the first quarter 2001, are presented in Figure 2.

B. On-Site and Off-Site Subsurface Water Sampling

Subsurface water samples (including duplicates) were collected from on-site till monitoring wells T-1, T-3 and T-4A, off-site monitoring wells T-5 through T-10, off-site sand/gravel monitoring wells S-1 through S-4A, and ECC MW13 between January 29, 2001 and February 1, 2001. Subsurface water samples were collected between January 30, 2001 and February 12, 2001 from on-site till monitoring well T-2A, due to the slow recoveryof T-2A. The on-site subsurface water sample results are summarized in Table 2. The subsurface water sample results for the off-site till and off-site sand/gravel monitoring wells are summarized in Table 3 and Table 4, respectively.

All samples were collected as described in Section 6.3 of the Radian Revised Remedial Action Field Sampling Plan (FSP), Revision 4, dated April 28, 1998, with modifications outlined in the *Low Flow Ground Water Sampling* proposal dated November 10, 2000. In accordance with the FSP, the wells were purged a minimum of three well volumes or until the wells went dry, prior to sampling. Low-flow sampling techniques were incorporated into the sampling procedure to decrease the turbidity of the samples collected and to reduce the number of wells that purged dry before three well volumes could be removed. The subsurface water in the on-site till monitoring wells was evacuated and sampled using dedicated PVC bladder-pumps and Teflon-lined polyethylene tubing. A disposable Teflon- bailer was also used to assist in the collection of subsurface water samples from on-site till monitoring well T-2A, due to poor recovery. The subsurface water in the off-site monitoring wells was evacuated and sampled using a peristaltic pump and dedicated Teflon-lined polyethylene tubing. The intake for the dedicated tubing was placed at the bottom of the screened interval. Due to the poor recovery in till monitoring wells (T-5 and T-8), the samples from these wells were collected over a period of 1 to 4 days. Volatile organic compounds (VOCs) and hexavalent chromium samples were collected as soon as possible on the day of purging the wells.

The metals and polychlorinated biphenyls (PCBs) samples were filtered using 0.45-micron filters in accordance with Section 6.3 of the FSP. Field measurements of pH, temperature, specific conductivity, and dissolved oxygen were collected before, during, and after the purging procedure. Field indicator parameters and other information recorded during well purging and sampling are provided in Tables A-1 through A-3 of Appendix A.

C. Surface Water Sampling

Surface water samples were collected from two locations within Unnamed Ditch (SW-1 and SW-2) during the First Quarter sampling event. Samples were not collected from the NSL-1 location since water was not flowing from the North Side Landfill discharge to the Unnamed Ditch during the sampling event. The surface water samples were collected as described in Section 6.3 of the FSP. Surface water sample locations are shown on Figure 1. The surface water sample results are summarized in Table 5.

Field measurements of pH, temperature, specific conductivity, and dissolved oxygen were collected from a sample of the water collected at each surface water sampling location. Field indicator parameters as well as the rain accumulation measurements recorded for the 24-hour and 48-hour period prior to sampling are provided in Table A-4 of Appendix A.

D. Sample Analysis and Results

Following sample collection, the samples were placed in ice-filled coolers and shipped via an overnight courier to CompuChem Laboratories (CompuChem) of Cary, North Carolina, for analysis. Appropriate chain-of-custody protocols were followed throughout sample handling.

Subsurface and surface water samples were analyzed for the parameters listed in Table 3-1 of Revised Exhibit A in accordance with the analytical methods summarized in Table 7-1 of the FSP. Analytical results for the surface, subsurface and the quality assurance and quality control samples for this sampling event are summarized in Table 2 through Table 6. In addition, all quarterly monitoring analytical data to date are presented by location in Appendix B.

E. Quality Assurance and Quality Control Procedures

To monitor the effectiveness of sampling procedures, ENVIRON collected field blanks by pumping laboratory supplied deionized water through the peristaltic pump and tubing into a sample container. For the metals and PCB samples, the deionized water was also passed through a 0.45-micron filter. Two field blanks were collected and analyzed this quarter. Three trip blanks were submitted to the laboratory to monitor for possible contamination during sample handling, transport, and storage. The trip blanks accompanied the samples and were analyzed for the VOCs listed in Table 3-1 of Revised

Exhibit A. The trip and field blank sample results were compared to the most stringent of the Acceptable Stream Concentrations and the Acceptable Subsurface Water Concentrations for each analyte. The trip and field blank sample results are presented in Table 6.

Methylene chloride was detected at low concentrations in all three trip blanks and one of the field blanks for this sampling event. Low concentrations (below the contract required detection limit) of toluene were also reported for two of the three trip blanks and both field blanks. Methylene chloride and toluene were not detected in CompuChem's laboratory method blanks. However, methylene chloride was reported at a similar concentration in the monitoring well associated with one of the field blanks. The trip blanks and the deionized water, used for the collection of the field blanks, was prepared by CompuChem for this sampling event. ENVIRON believes that the methylene chloride and toluene concentrations detected within the trip blanks, field blanks, and the associated monitoring well are the result of laboratory contamination.

Bis (2-ehtylhexyl) phthalate was detected at a low concentration in one of the field blanks. A similar concentration of bis (2-ehtylhexyl) phthalate was detected in CompuChem's laboratory method blank. Tetrachloroethene was also detected at low concentrations in one field blank and the associated laboratory method blank. Based on their presence in the laboratory method blank, ENVIRON believes that the concentrations of tetrachloroethene and bis (2-ehtylhexyl) phthalate are the result of laboratory contamination.

Low concentrations of manganese (0.92 µg/L and 0.77 µg/L) were reported in both field blank samples. Manganese concentrations were reported below the contract required detection limit. The source of the manganese detected in the field blank samples could not be determined.

To evaluate the reproducibility of results, ENVIRON collected one duplicate subsurface water sample from the off-site sand/gravel monitoring well S-1 and the off-site till monitoring well T-9. The duplicate samples were collected by pumping the subsurface water from the monitoring wells into two sets of sample containers. The results of the duplicate samples are presented in Table 4 and Table 3, respectively. The results for the duplicate pairs were similar, indicating good reproducibility of the sampling and analytical methods. In addition to the duplicate samples, ENVIRON collected additional sample volume from the surface water sampling point SW-2 for the laboratory matrix spike and matrix spike duplicate (MS/MSD) samples.

If you have any questions about this letter or any other aspects of the project, please do not hesitate to contact us.

Sincerely,

ENVIRON International Corporation

Mark Hanson
Associate

Ronald E. Hutchens, P.E.
Principal

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cc: Mr. Myron Waters – IDEM
Mr. Tim Harrison – CH2M Hill
Dr. Roy Ball – ENVIRON International Corporation
Mr. Norman Bernstein – N. W. Bernstein & Associates, L.L.C.

TABLES

TABLE 1
Subsurface Water Elevations - January 29, 2001
ECC Compliance Monitoring Wells
First Quarter 2001

Well Number	Rim of PVC Elevation (feet AMSL)	Depth-to-Water (feet)	Water Elevation (feet AMSL)
T-1	897.41	16.23	881.18
T-2A[1]	901.13	22.42	878.71
T-3	896.07	15.67	880.40
T-4A	895.37	10.33	885.04
T-5	889.08	7.62	881.46
T-6	891.76	10.26	881.50
T-7	891.02	10.07	880.95
T-8	888.88	8.55	880.33
T-9	882.08	2.15	879.93
T-10	889.42	6.07	883.35
S-1	890.27	8.82	881.45
S-2	888.46	7.65	880.81
S-3	882.45	2.68	879.77
S-4A	889.59	8.89	880.70
P-1	889.66	8.77	880.89
ECC MW-13	883.30	10.33	872.97

Notes:
AMSL = Above Mean Sea Level.
PVC = Polyvinyl Chloride Inner Well Casing.
[1]Rim of PVC elevation for replacement well T-2A taken on 1/29/01.

TABLE 2 (Page 1 of 2)
Summary of Analytical Results for Subsurface Water Samples
ECC On-Site Till Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Subsurface Water Concentration	T-1 ECTGW1-08 PUMP 1/30/01	T-2A ECTGW2-08 PUMP/BAILED 1/30/01- 2/12/01	T-3 ECTGW3-08 PUMP 1/30/01	T-4 ECTGW4-08 PUMP 1/30/01
Volatile Organics					
Acetone	*[3,500]*	ND	1,800	10	ND
1,1-Dichloroethene	*[7]*	ND	**82**	2	ND
1,2-Dichloroethene(total)	*[70]*	0.2 J	**580**	**4,100 D**	ND
Ethylbenzene	*[680]*	ND	200	0.3 J	ND
Methylene Chloride	*[156.6]*	ND	**1,600 DJ**	2	0.6 J
Methyl ethyl ketone	*[170]*	ND	**1,100**	ND	ND
Methyl isobutyl ketone	*[1,750]*	ND	230 J	ND	ND
Tetrachloroethene	*[5.0]*	ND	**17,000 DB**	**9**	ND
Toluene	*[2,000]*	ND	**2,400 D**	2	ND
1,1,1-Trichloroethane	*[200]*	ND	**6,400 D**	16	ND
1,1,2-Trichloroethane	*[5.0]*	ND	ND	2	ND
Trichloroethene	*[6.4]*	0.3 J	**15,000 DB**	**15**	ND
Vinyl chloride	*[5.0]*	ND	ND	**290 D**	ND
Xylenes (total)	*[10,000]*	ND	830	6	ND
Semi-Volatile Organics					
Bis(2-ethylhexyl)phthalate	*[7.1]*	1 JB	2 JB	ND	3 JB
Di-n-butylphthalate	*[3,500]*	ND	ND	ND	ND
1,2-Dichlorobenzene	*[600]*	ND	68	2 B	ND
Diethyl phthalate	*[28,000]*	ND	ND	ND	ND
Isophrone	*[8.5]*	ND	ND	ND	ND
Naphthalene	*[14,000]*	ND	1 J	ND	ND
Phenol	*[1,400]*	ND	7 J	ND	ND

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
ND = Not Detected.
B = Analyte was found in the laboratory blank and sample.
J = Indicates an estimated value.
D = Compound quantitated on a diluted sample.

TABLE 2 (Page 2 of 2)
Summary of Analytical Results for Subsurface Water Samples
ECC On-Site Till Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Subsurface Water Concentration	T-1 ECTGW1-08 PUMP 1/30/01	T-2A ECTGW2-08 Bailed 2/6/01	T-3 ECTGW3-08 PUMP 1/30/01	T-4 ECTGW4-08 PUMP 1/30/01
Polychlorinated biphenyls					
Aroclor-1016	*[0.5]*	ND	ND	ND	ND
Aroclor-1221	*[1.0]*	ND	ND	ND	ND
Aroclor-1232	*[0.5]*	ND	ND	ND	ND
Aroclor-1242	*[0.5]*	ND	ND	ND	ND
Aroclor-1248	*[0.5]*	ND	ND	ND	ND
Aroclor-1254	*[0.5]*	ND	ND	ND	ND
Aroclor-1260	*[0.5]*	ND	ND	ND	ND
Inorganics					
Antimony	*[46.5]*	ND	ND	ND	ND
Arsenic	*[50]*	ND	ND	7.4 B	ND
Barium	*[1,000]*	353	108 B	192 B	40.6 B
Beryllium	*[4]*	ND	0.20 B	ND	ND
Cadmium	*[10]*	ND	ND	ND	ND
Chromium VI	*[50]*	ND	NA*	11.4	ND
Lead	*[50]*	ND	ND	ND	ND
Manganese	*[7,000]*	204	360	548	49.1
Nickel	*[150]*	ND	17.7 B	48	6.6 B
Silver	*[50]*	ND	ND	ND	ND
Tin	*[21,000]*	ND	ND	ND	ND
Vanadium	*[245]*	ND	3.8 B	ND	ND
Zinc	*[7,000]*	ND	23.5	3.7 B	ND
Cyanide	*[154]*	ND	ND	2.9 B	0.69 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
* = Sample was not analyzed due to laboratory error.
ND = Not Detected.
B = less than Contract Required Detection Limit but greater than the Instrument Detection Limit.

TABLE 3 (Page 1 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-08 PUMP 1/30/01	T-6 ECTGW6-08 PUMP 1/30/01	T-7 ECTGW7-08 PUMP 1/30/01	T-8 ECTGW8-08 PUMP 1/29/01	T-9 ECTGW9-08 PUMP 1/31/01	T-9 ECTGW9-08-D PUMP 1/31/01 Duplicate	T-10 ECTGW10-08 PUMP 1/31/01
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	**33,000 D**	**31**	3	**69**	**68**	**210**
Ethylbenzene	*[3,280]*	ND	350	0.6 J	ND	ND	ND	ND
Methylene Chloride	*[15.7]*	0.5 J	**200 J**	1 J	ND	ND	ND	ND
Tetrachloroethene	*[8.85]*	ND	ND	0.6 J	ND	ND	ND	3 JB
Toluene	*[3,400]*	ND	**3,900**	6	ND	ND	ND	ND
1,1,1-Trichloroethane	*[5,280]*	ND	560	ND	ND	ND	ND	7 J
1,1,2-Trichloroethane	*[41.8]*	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	*[80.7]*	ND	ND	4	0.3 J	ND	ND	2 JB
Vinyl chloride	*[525]*	ND	**9,900 D**	1	ND	170	160	6 J

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
ND = Not Detected.
J = Estimated Value.
D = Compound quantitated on a diluted sample.
B = Compound was detected in the associated laboratory method blank as well as in the sample.

TABLE 3 (Page 2 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-08 PUMP 1/30/01	T-6 ECTGW6-08 PUMP 1/30/01	T-7 ECTGW7-08 PUMP 1/30/01	T-8 ECTGW8-8 PUMP 1/30/01	T-9 ECTGW9-08 PUMP 1/31/01	T-9 ECTGW9-08-D PUMP 1/31/01 Duplicate	T-10 ECTGW10-08 PUMP 1/31/01
Semi-Volatile Organics								
Bis(2-ethylhexyl)phthalate	*[50,000]*	1 JB	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	*[154,000]*	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	140 JB	0.5 JB	ND	ND	ND	ND
Diethylphthalate	*[52,100]*	ND	3 J	ND	ND	ND	ND	ND
Naphthalene	*[620]*	ND	17	ND	ND	ND	ND	ND
Phenol	*[570]*	ND	260 D	18	ND	ND	ND	ND
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	*[1.0]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	*[0.5]*	ND	ND	ND	ND	ND	ND	ND

Notes: All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

J = Estimated Value.

D = Compound quantitated on a diluted sample.

B = Coumpound was detected in the associated blank as well as in the sample.

TABLE 3 (Page 3 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-08 PUMP 1/30/01	T-6 ECTGW6-08 PUMP 1/30/01	T-7 ECTGW7-08 PUMP 1/30/01	T-8 ECTGW8-08 PUMP 1/30/01	T-9 ECTGW9-08 PUMP 1/31/01	T-9 ECTGW9-08-D PUMP 1/31/01 Duplicate	T-10 ECTGW10-08 PUMP 1/31/01
Inorganics								
Arsenic	*[14.0]*	ND	**55.2**	ND	ND	ND	ND	5.3 B
Chromium VI	*[86.0]*	ND	13.4	ND	ND	ND	ND	ND
Lead	*[26.8]*	ND	ND	ND	ND	ND	ND	ND
Nickel	*[100]*	ND	26.2 B	4.7 B	2.3 B	16.4 B	16.3 B	14.9 B
Zinc	*[152]*	ND	ND	ND	ND	ND	ND	ND
Cyanide	*[23.9]*	ND	1.1 B	ND	0.85 B	0.70 B	ND	0.66 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

B = Analyte value is < contract required detection limit but > = instrument detection limit.

TABLE 4 (Page 1 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-08 PUMP 1/29/01	S-1 ECSGW1-08-D PUMP 1/29/01 Duplicate	S-2 ECSGW2-08 PUMP 1/29/01	S-3 ECSGW3-08 PUMP 1/31/01	S-4A ECSGW4-08 PUMP 1/31/01	MW13 ECSGWM13-08 PUMP 1/30/01
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	ND	0.3 J	ND	**86**	1 J
Ethylbenzene	*[3,280]*	ND	ND	ND	ND	ND	ND
Methylene Chloride	*[15.7]*	ND	0.7 J	0.6 J	0.7 J	ND	0.7 J
Tetrachloroethene	*[8.85]*	ND	ND	ND	ND	2 J	ND
Toluene	*[3,400]*	ND	ND	ND	0.1 J	ND	ND
1,1,1-Trichloroethane	*[5,280]*	ND	ND	ND	ND	ND	0.3 J
1,1,2-Trichloroethane	*[41.8]*	ND	ND	ND	ND	ND	ND
Trichloroethene	*[80.7]*	ND	ND	ND	ND	ND	0.4 J
Vinyl chloride	*[525]*	ND	ND	0.4 J	1	6	ND

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

J = Estimated Value.

TABLE 4 (Page 2 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-08 PUMP 1/29/01	S-1 ECSGW1-08-D PUMP 1/29/01 Duplicate	S-2 ECSGW2-08 PUMP 1/29/01	S-3 ECSGW3-08 PUMP 1/31/01	S-4A ECSGW4-08 PUMP 1/31/01	MW13 ECSGWM13-08 PUMP 1/30/01
Semi-Volatile Organics							
Bis(2-ethylhexyl)phthalate	*[50,000]*	ND	1 JB	ND	ND	ND	ND
Di-n-butylphthalate	*[154,000]*	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	ND	ND	ND	ND	ND
Diethylphthalate	*[52,100]*	ND	ND	ND	ND	ND	ND
Naphthalene	*[620]*	ND	ND	ND	ND	ND	ND
Phenol	*[570]*	ND	ND	ND	ND	ND	ND
Polychlorinated biphenyls							
Aroclor-1016	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1221	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1232	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1242	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1248	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1254	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1260	*[0.5]*	ND	ND	ND	ND	ND	ND

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

J = Estimated value.

B = Compound was detected in the associated laboratory method blank as well as in the sample.

TABLE 4 (Page 3 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-08 PUMP 1/29/01	S-1 ECSGW1-08-D PUMP 1/29/01 Duplicate	S-2 ECSGW2-08 PUMP 1/29/01	S-3 ECSGW3-08 PUMP 1/31/01	S-4A ECSGW4-08 PUMP 1/31/01	MW13 ECSGWM13-08 PUMP 1/30/01
Inorganics							
Arsenic	*[14.0]*	ND	ND	ND	ND	ND	**18.5**
Chromium VI	*[86.0]*	ND	ND	ND	ND	ND	13.3
Lead	*[26.8]*	ND	ND	ND	ND	ND	ND
Nickel	*[100]*	ND	ND	5.8 B	9.5 B	ND	6.2 B
Zinc	*[152]*	ND	ND	ND	ND	ND	ND
Cyanide	*[23.9]*	ND	ND	ND	ND	ND	0.77 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

B = Analyte value is < contract required detection limit but > = instrument detection limit.

TABLE 5
Analytical Results for Surface Water Samples
ECC Surface Water Locations
First Quarter 2001

LOCATION ENVIRON SAMPLE ID COLLECTION DATE COMMENT	Acceptable Stream Concentration	SW-1 ECSW1-08 1/29/01	SW-2 ECSW2-08 1/29/01 MS/MSD
Volatile Organics			
1,1-Dichloroethene	*[1.85]*	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	2
Ethylbenzene	*[3,280]*	ND	ND
Methylene Chloride	*[15.7]*	ND	ND
Tetrachloroethene	*[8.85]*	ND	ND
Toluene	*[3,400]*	ND	0.2 J
1,1,1-Trichloroethane	*[5,280]*	ND	0.2 J
1,1,2-Trichloroethane	*[41.8]*	ND	ND
Trichloroethene	*[80.7]*	ND	ND
Vinyl chloride	*[525]*	ND	1
Semi-Volatile Organics			
Bis(2-ethylhexyl)phthalate	*[50,000]*	ND	ND
Di-n-butylphthalate	*[154,000]*	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	ND
Diethylphthalate	*[52,100]*	ND	ND
Naphthalene	*[620]*	ND	ND
Phenol	*[570]*	ND	ND
Polychlorinated biphenyls			
Aroclor-1016	*[0.5]*	ND	ND
Aroclor-1221	*[1.0]*	ND	ND
Aroclor-1232	*[0.5]*	ND	ND
Aroclor-1242	*[0.5]*	ND	ND
Aroclor-1248	*[0.5]*	ND	ND
Aroclor-1254	*[0.5]*	ND	ND
Aroclor-1260	*[0.5]*	ND	ND
Inorganics			
Arsenic	*[14.0]*	ND	ND
Chromium VI	*[86.0]*	10.4	ND
Lead	*[26.8]*	ND	ND
Nickel	*[100]*	10.0 B	9.7 B
Zinc	*[152]*	ND	ND
Cyanide	*[23.9]*	1.8 B	1.9 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site-Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

J = Estimated Value.

B = Analyte value is <contract required detection limit but > = instrument detection limit.

TABLE 6 (Page 1 of 2)
Analytical Results for Quality Assurance / Quality Control Samples
First Quarter 2001

TYPE ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE	Most Stringent Acceptable Concentration	TRIP BLANK TRIPBLANK LAB 1/29/01	TRIP BLANK TB 30-01-01 LAB 1/30/01	TRIP BLANK TB01-31-01 LAB 1/31/01	FIELD BLANK ECTGW10-08-B PUMP 1/31/01	FIELD BLANK ECSGWM13-08-B PUMP 1/30/01
Volatile Organic Compounds						
Acetone	*[3,500]*	ND	ND	ND	ND	ND
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	ND	ND	ND	ND
Ethylbenzene	*[680]*	ND	ND	ND	ND	ND
Methylene Chloride	*[15.7]*	5	0.8 J	1 J	ND	2 J
Methyl ethyl ketone	*[170]*	ND	ND	ND	ND	ND
Methyl Isobutyl ketone	*[1,750]*	ND	ND	ND	ND	ND
Tetrachloroethene	*[5.0]*	ND	ND	ND	0.3 JB	ND
Toluene	*[2,000]*	0.4 J	ND	0.2 J	0.2 J	0.2 J
1,1,1-Trichloroethane	*[200]*	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*[5.0]*	ND	ND	ND	ND	ND
Trichloroethene	*[6.4]*	ND	ND	ND	ND	ND
Vinyl Chloride	*[5.0]*	ND	ND	ND	ND	ND
Xylenes (Total)	*[10,000]*	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds						
Bis (2-ethylhexyl) phthalate	*[7.1]*	NA	NA	NA	ND	2 JB
Di-n-butyl phthalate	*[3,500]*	NA	NA	NA	ND	ND
1,2-Dichlorobenzene	*[600]*	ND	ND	ND	ND	ND
Diethyl Phthalate	*[28,000]*	NA	NA	NA	ND	ND
Isophorone	*[8.5]*	NA	NA	NA	ND	ND
Naphthalene	*[620]*	NA	NA	NA	ND	ND
Phenol	*[570]*	NA	NA	NA	ND	ND

Notes: All concentrations are in ug/L.

Concentrations in bold exceed the most stringent of the Revised Site Specific Acceptable Stream Water Concentrations and Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Most stringent of the Revised Site-Specific Acceptable Stream Concentrations and Acceptable Subsurface Water Concentrationsas determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

U = Analyte not detected. The value shown is the associated detection limit.

J = Estimated value.

NA = Not Analyzed.

B = Analyte was also detected in the laboratory method blank.

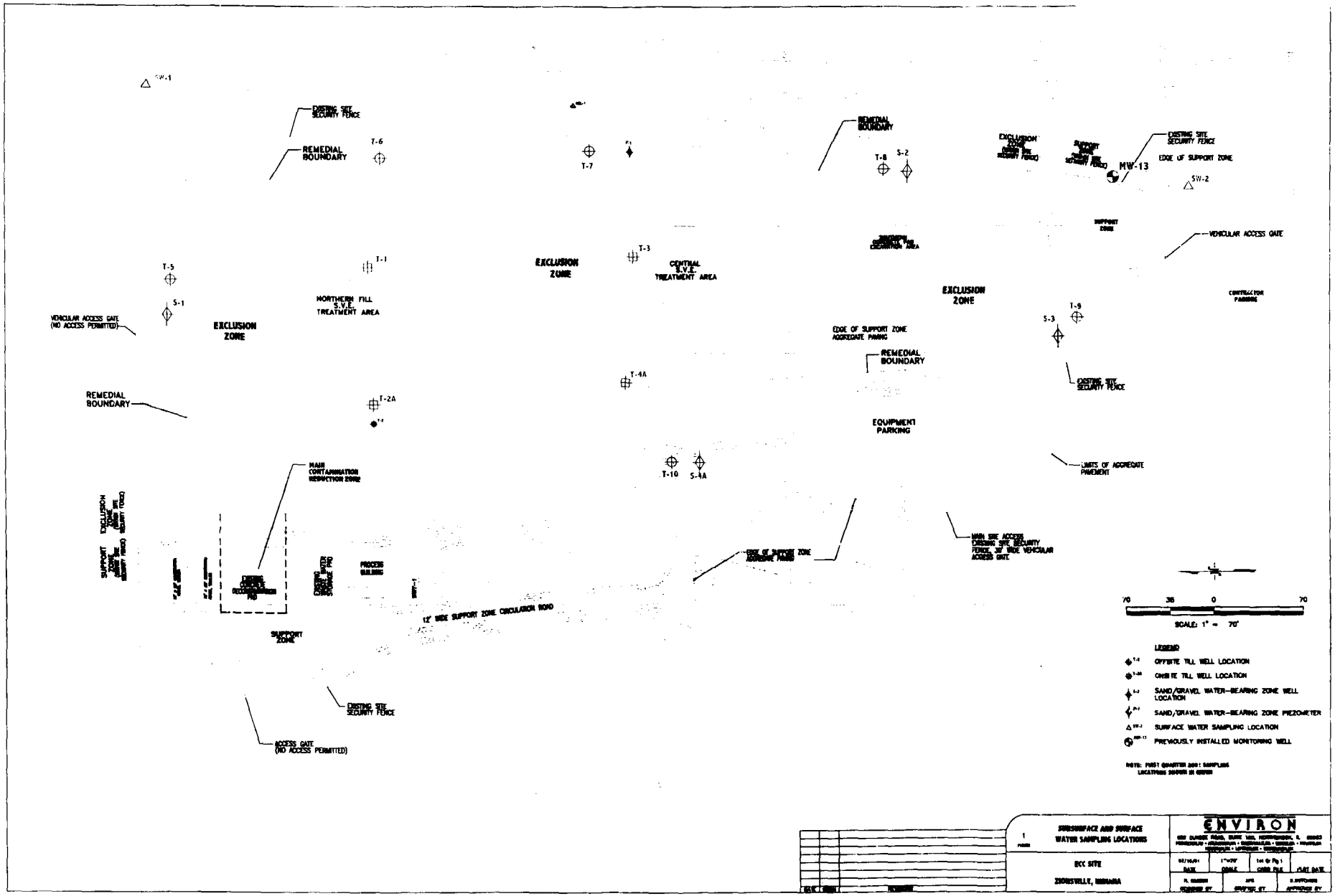
TABLE 6 (Page 2 of 2)
Analytical Results for Quality Assurance / Quality Control Samples
First Quarter 2001

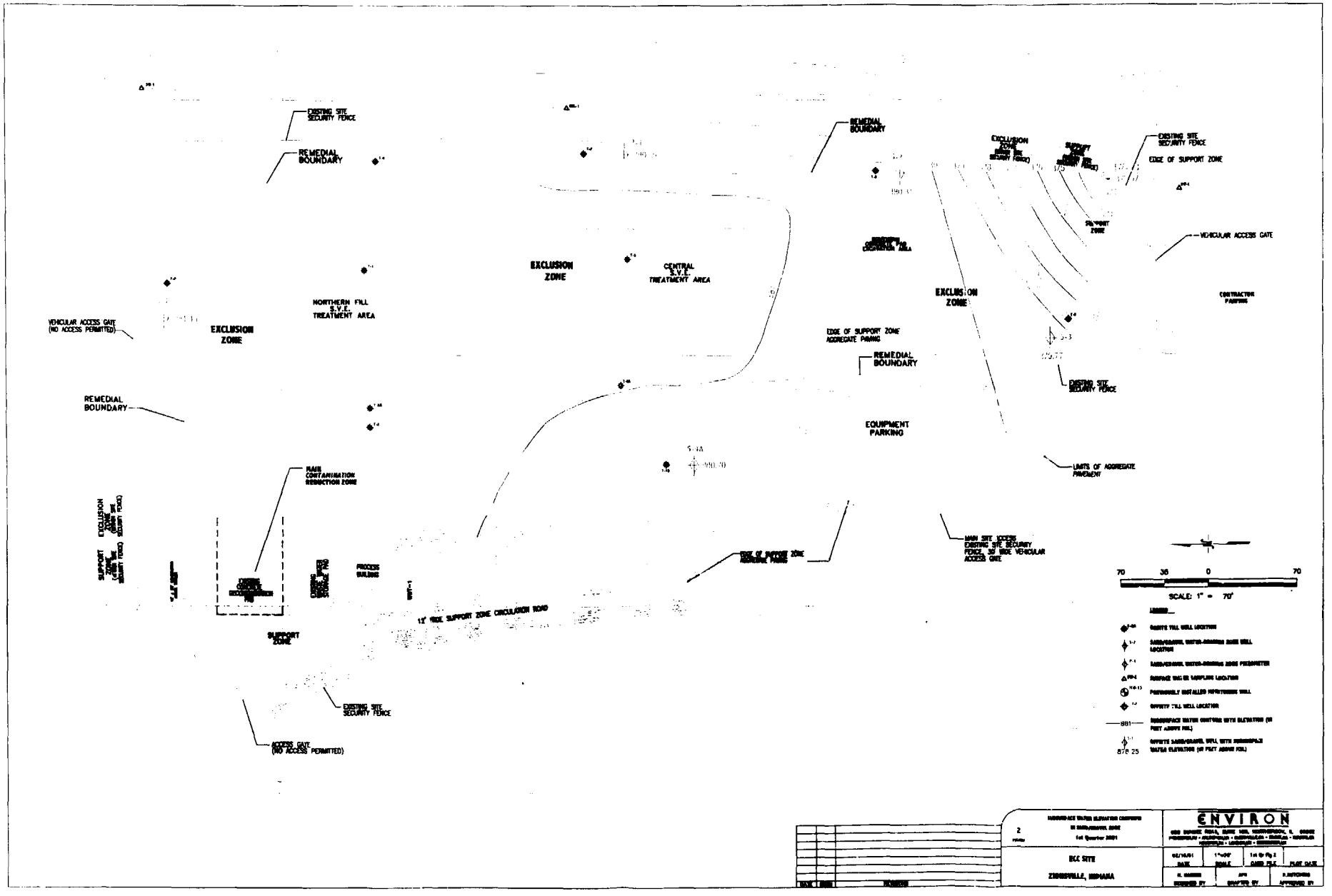
TYPE ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE	Most Stringent Acceptable Concentration	TRIP BLANK TRIPBLANK LAB LAB	TRIP BLANK TB 30-01-01 LAB LAB	TRIP BLANK TB 1-31-01 LAB LAB	FIELD BLANK ECTGW10-08-B PUMP 1/31/00	FIELD BLANK ECSGWM13-08-B PUMP 1/30/01
Polychlorinated biphenyls						
Aroclor 1016	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1221	*[1.0]*	NA	NA	NA	ND	ND
Aroclor 1232	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1242	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1248	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1254	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1260	*[0.5]*	NA	NA	NA	ND	ND
Inorganics						
Antimony	*[46.5]*	NA	NA	NA	ND	ND
Arsenic	*[14]*	NA	NA	NA	ND	ND
Barium	*[1,000]*	NA	NA	NA	ND	ND
Beryllium	*[4]*	NA	NA	NA	ND	ND
Cadmium	*[10]*	NA	NA	NA	ND	ND
Chromium VI	*[86]*	NA	NA	NA	ND	ND
Lead	*[26.8]*	NA	NA	NA	ND	ND
Manganese	*[7,000]*	NA	NA	NA	0.92 B	0.77 B
Nickel	*[100]*	NA	NA	NA	ND	ND
Silver	*[50]*	NA	NA	NA	ND	ND
Tin	*[21,000]*	NA	NA	NA	ND	ND
Vanadium	*[245]*	NA	NA	NA	ND	ND
Zinc	*[152]*	NA	NA	NA	ND	ND
Cyanide (Total)	*[23.9]*	NA	NA	NA	ND	ND

Notes: All concentrations are in ug/L.
Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Most stringent of the Revised Site-Specific Acceptable Stream Concentrations and Acceptable Subsurface Water Concentrationsas determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte value is <contract required detection limit but > = instrument detection limit.
ND = Not Detected.
NA = Not Analyzed.

FIGURES

FIGURES


EXISTING SITE SECURITY FENCE
REMEDIAL BOUNDARY
T-6
T-7
SW-1
REMEDIAL BOUNDARY
T-8
S-2
MW-13
SW-2
EDGE OF SUPPORT ZONE
VEHICULAR ACCESS GATE
T-5
S-1
T-1
NORTHERN FILL S.V.E. TREATMENT AREA
EXCLUSION ZONE
T-3
CENTRAL S.V.E. TREATMENT AREA
EXCLUSION ZONE
VEHICULAR ACCESS GATE (NO ACCESS PERMITTED)
EXCLUSION ZONE
CONTRACTOR PARKING
T-9
S-3
EDGE OF SUPPORT ZONE AGGREGATE PAVING
REMEDIAL BOUNDARY
T-4A
EXISTING SITE SECURITY FENCE
REMEDIAL BOUNDARY
T-2A
EQUIPMENT PARKING
MAIN CONTAMINATION REDUCTION ZONE
T-10
S-4A
LIMITS OF AGGREGATE PAVEMENT
EXCLUSION ZONE (BEHIND SECURITY FENCE)
SUPPORT ZONE (BEHIND SECURITY FENCE)
PROCESS BUILDING
EDGE OF SUPPORT ZONE AGGREGATE PAVING
MAIN SITE ACCESS CROSSING SITE SECURITY FENCE, 30' WIDE VEHICULAR ACCESS GATE
12' WIDE SUPPORT ZONE CIRCULATION ROAD
SUPPORT ZONE
EXISTING SITE SECURITY FENCE
ACCESS GATE (NO ACCESS PERMITTED)
70 35 0 70
SCALE: 1" = 70'
LEGEND
OFFSITE TILL WELL LOCATION
ONSITE TILL WELL LOCATION
SAND/GRAVEL WATER-BEARING ZONE WELL LOCATION
SAND/GRAVEL WATER-BEARING ZONE PIEZOMETER
SURFACE WATER SAMPLING LOCATION
PREVIOUSLY INSTALLED MONITORING WELL
SUBSURFACE AND SURFACE WATER SAMPLING LOCATIONS
BCC SITE
ZIONSVILLE, INDIANA
ENVIRON


EXISTING SITE SECURITY FENCE
REMEDIAL BOUNDARY
VEHICULAR ACCESS GATE (NO ACCESS PERMITTED)
EXCLUSION ZONE
NORTHERN FILL S.V.E. TREATMENT AREA
CENTRAL S.V.E. TREATMENT AREA
EDGE OF SUPPORT ZONE AGGREGATE PAVING
EQUIPMENT PARKING
LIMITS OF AGGREGATE PAVEMENT
MAIN CONTAMINATION REDUCTION ZONE
PROCESS BUILDING
SUPPORT ZONE
12' WIDE SUPPORT ZONE CIRCULATION ROAD
MAIN SITE ACCESS EXISTING SITE SECURITY FENCE, 30' WIDE VEHICULAR ACCESS GATE
CONTRACTOR PARKING
ACCESS GATE (NO ACCESS PERMITTED)
70 35 0 70
SCALE: 1" = 70'
ENVIRON
ECC SITE
ZIONSVILLE, INDIANA

APPENDIX A

APPENDIX A

Field Measurements and Purge Data

TABLE A-1
FIELD MEASUREMENTS AND PURGE DATA
FIRST QUARTER 2001 ON-SITE TILL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	T-1	T-2A	T-3	T-4A
Date	1/30/01	1/29/01	1/30/01	1/30/01
Weather Conditions	Sleet/Snow 30F	Overcast 40F	Rain/Sleet 30F	Overcast/Rain 33F
Before Purging				
pH	7.89	6.98	7.21	7.42
Dissolved Oxygen (ppm)	6.59	8.45	1.82	6.3
Temperature (C)	5.71	9.85	11.56	10.21
Specific Conductivity (mS/cm)	534	1283	1664	1070
Total Depth of Well (Ft from top of inner casing to water)	26.23	27.45	27.7	24.07
Depth to water (Ft from top of inner casing to water)	15.67	22.42	15.67	10.33
Estimated water volume in well (gallons)	1.7	0.8	2.0	2.2
Three Well Volumes(gallons)	5.2	2.5	5.9	6.7
After Purging				
Purge Start	1750	1540	1420	1548
Purge End	1844	1725	1520	1715
Purge Method	BP	BP	BP	BP
Approximate Purge Rate (gpm)	0.096	0.024	0.100	0.077
Total Volume Purged (gal.)	5.2	2.5**	6	6.7
pH	7.87	7.01	7.1	7.23
Dissolved Oxygen (ppm)	0.62	1.11	0.6	0.68
Temperature (C)	9.55	9.87	12.01	11.23
Specific Conductivity (mS/cm)	496	1420	16.82	1096
Sampling				
Sampling Date(s)	1/30/01	1/29/01-2/12/01	1/30/01	1/30/01
Sampling End Time	1850	1950	1330	1730
Sampling Method	BP	BP/BT	BP	BP

Notes:

NM = No Measurement

BT = Bailer (Teflon) PP = Peristaltic Pump PID = Photoionization Detector

BP=Bladder-pump

** = volume at which the well went dry

TABLE A-2
FIELD MEASUREMENTS AND PURGE DATA
FIRST QUARTER 2001 OFF-SITE TILL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	T-5	T-6	T-7	T-8	T-9	T-10
Date	1/29/01	1/30/01	1/30/01	1/29/01	1/31/01	1/31/01
Weather Conditions	Overcast/Light Rain 40F	Rain 43F	Scattered Showers 38F	Rain 40F	Overcast 32F	Overcast 30F
Before Purging						
pH	7.59	7.19	11.3	7.37	7.21	7.01
Dissolved Oxygen (ppm)	5.2	2.23	9.99	2.23	4.37	1.41
Temperature (C)	8.9	9.1	8.1	9.23	11.63	8.1
Specific Conductivity (mS/cm)	0.862	3.37	1.02	819	12.49	1.51
Total Depth of Well (Ft from top of inner casing to water)	18.59	19.14	17.47	15.82	25.15	17.85
Depth to water (Ft from top of inner casing to water)	7.62	10.26	10.07	8.55	2.15	6.07
Estimated water volume in well (gallons)	1.8	1.4	1.2	1.2	3.7	1.9
Three Well Volumes (gallons)	5.4	4.3	3.6	3.6	11.2	5.8
After Purging						
Purge Start	1615	1045	1330	1745	1120	925
Purge End	1730	1220	1505	1808	1250	1110
Purge Method	PP	PP	PP	PP	PP	PP
Approximate Purge Rate (gpm)	0.04	0.05	0.04	0.09	0.14	0.06
Total Volume Purged (gal.)	3**	4.5	3.6	2**	12.5	6
pH	7.68	6.92	9.56	7.47	6.79	7
Dissolved Oxygen (ppm)	3.94	3.46	3.38	3.07	3.18	1.1
Temperature (C)	9.1	8.6	9	9.6	10.9	10.6
Specific Conductivity (mS/cm)	0.849	3.47	0.896	787	1268	1.5
Sampling						
Sampling Date(s)	12/5/00-12/7/00	1/30/01	1/30/01	1/29/01-1/30/01	1/31/01	1/31/01
Sampling End Time	1150	1225	1515	945	1550	1440
Sampling Method	PP	PP	PP	PP	PP	PP

Notes:

** = Well purged dry
NM = No Measurement
BT = Bailer (Teflon)
PP = Peristaltic Pump
PID = Photoionization Detector

TABLE A-3
FIELD MEASUREMENTS AND PURGE DATA
FIRST QUARTER 2001 OFF-SITE SAND/GRAVEL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	S-1	S-2	S-3	S-4A	MW-13
Date	1/29/01	1/29/01	1/31/01	1/31/01	1/30/01
Weather Conditions	Overcast/Rain 38F	Rain 42F	Overcast 33F	Overcast 32F	Scattered Showers 33F
Before Purging					
pH	7.66	7.25	7.38	7.29	7.72
Dissolved Oxygen (ppm)	0.28	3.25	1.72	1.91	2.97
Temperature (C)	11.5	11.66	12.9	9.8	8.1
Specific Conductivity (mS/cm)	0.806	1149	984	0.821	1.71
Total Depth of Well (Feet below ground surface)	40.87	21.88	35.33	45.89	16.89
Depth to water (Ft from top of inner casing to water)	8.82	7.65	2.68	8.89	10.33
Estimated water volume in well (gallons)	5.2	2.3	5.3	6.0	1.1
Three Well Volumes(gallons)	15.7	7.0	16.0	18.1	3.2
After Purging					
Purge Start	1755	1808	1600	1135	1530
Purge End	1915	1845	1710	1350	1615
Purge Method	PP	PP	PP	PP	PP
Approximate Purge Rate (gpm)	0.21	0.19	0.23	0.13	0.08
Total Volume Purged (gal.)	17	7	16	18.1	3.5
pH	7.65	7.27	7.28	7.59	7
Dissolved Oxygen (ppm)	0.18	0.2	0.72	0.09	0.94
Temperature (C)	12.1	12.27	13.21	12.1	8.6
Specific Conductivity (mS/cm)	0.796	1034	1132	0.787	1.73
Sampling					
Sampling Date(s)	1/29/01	1/29/01	1/31/01	1/31/01	1/30/01
Sampling End Time	1925	1930	1715	1405	1620
Sampling Method	PP	PP	PP	PP	PP

Notes:

NM = no measurement

BT = Bailer (Teflon) PP = Peristaltic Pump PID = Photoionization Detector

TABLE A-4
FIELD MEASUREMENTS
FIRST QUARTER 2001 SURFACE WATER SAMPLING
ECC SUPERFUND SITE

Field Parameters and Data	SW-1	SW-2
Date	1/29/01	1/29/01
Weather Conditions	Overcast/Drizzle 41F	Overcast/Light Rain 40F
Sampling Time	1425	1335
pH	7.84	7.59
Dissolved Oxygen (ppm)	15.51	14.02
Temperature (C)	2.7	1.8
Specific Conductivity (mS/cm)	1.44	1.43
Unnamed Ditch Flow Measurements		
Flow Velocity (ft/sec)	1.65	2.1
Cross Sectional Area (ft^2)	0.15	0.2
Calculated Flow Volume (Gal/min)	140.4	148.8
Storm Event - Rain Accumulation		
Accumulation 24 hours prior to sampling (inches) *	0.00	0.00
Accumulation 48 hours prior to sampling (inches) *	0.17	0.17

Notes:

* Measurement recorded at Fisher weather station in Hamilton County.

APPENDIX B

APPENDIX B

Historical Quarterly Monitoring Analytical Data

TABLE B-1
Summary of Analytical Results for Monitoring Well T-1
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-1 ECTGW1-01 4th 1998	T-1 ECTGW-01 2nd 1999	T-1 ECTGW1-05 4th 1999	T-1 ECTGW1-06 2nd 2000	T-1 ECTGW1-07 4th 2000	T-1 ECTGW1-08 1st 2001
Volatile Organics							
Acetone	*[3,500]*	2 U	2 U	1.0 J	2 U	5 U	5 U
1,1-Dichloroethene	*[7]*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethene(total)	*[70]*	0.4 JB	0.5 U	0.8	0.1 J	0.3 J	0.2 J
Ethylbenzene	*[680]*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Methylene Chloride	*[156.6]*	2 B	1	0.8	1 B	0.8 J	2 U
Methyl ethyl ketone	*[170]*	2 U	2 U	1.0 J	2 U	5 U	5 U
Methyl isobutyl ketone	*[1,750]*	2 U	2 U	2.0 U	2 U	5 U	5 U
Tetrachloroethene	*[5.0]*	**1**	**14**	0.6	**0.7**	1 U	1 U
Toluene	*[2,000]*	0.5 U	2	0.3 J	0.2 J	1 U	1 U
1,1,1-Trichloroethane	*[200]*	0.5 U	9	0.5 U	0.5 U	1 U	1 U
1,1,2 Trichloroethane	*[5.0]*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Trichloroethene	*[6.4]*	0.5 U	**22**	0.4 J	.4 J	0.3 J	0.3 J
Vinyl Chloride	*[5.0]*	0.5 U	0.4 J	0.5 U	0.6	1	1 U
Xylenes (total)	*[10,000]*	0.4 JB	0.6	0.5 U	0.5 U	1 U	1 U
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[7.1]*	10 U	2 J	**4.0 J**	0.9 J	2 J	1 JB
Di-n-butyl phthalate	*[3,500]*	10 U	11 U	9.0 U	**9** U	11 U	10 U
1,2-Dichlorobenzene	*[600]*	10 U	11 U	9.0 U	9 U	1 U	1 U
Diethylphthalate	*[28,000]*	10 U	11 U	9.0 U	9 U	11 U	10 U
Isoporone	*[8.5]*	10 U	11 U	9.0 U	9 U	11 U	10 U
Naphthalene	*[14,000]*	10 U	11 U	9.0 U	9 U	11 U	10 U
Phenol	*[1,400]*	16	11 U	9.0 U	9 U	11 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1.0 U	1.0 U	0.98 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U	1.0 U
Inorganics							
Antimony	*[46.5]*	1.7 U	1.0 U	NA	3.1 B	2.4 B	2.5 U
Arsenic	*[50]*	3.6 B	2.1 B	7.6 U	2.1 U	3.4 U	4.2 U
Barium	*[1,000]*	425	587	NA	398	344	353
Beryllium	*[4]*	1 U	0.61 B	NA	0.10 U	0.2 U	0.1 U
Cadmium	*[10]*	1 U	0.57 B	0.30 U	0.30 U	0.3 U	0.60 U
Chromium VI	*[50]*	10 U	10 U	10.0 U	**160**	10 U	10 U
Lead	*[50]*	0.7 U	1.0 U	1.5 U	1.1 U	2.1 U	1.7 U
Manganese	*[7,000]*	115	103	NA	125	262	204
Nickel	*[150]*	0.7 U	3.1 B	1.1 U	3.2 U	1.6 B	1.3 U
Silver	*[50]*	0.4 U	0.4 U	NA	0.50 U	0.4 U	0.50 U
Tin	*[21,000]*	4.7 U	2.0 U	NA	2.8 U	6.1 U	9.0 U
Vanadium	*[245]*	0.51 B	0.4 U	NA	0.74 B	0.7 U	0.70 U
Zinc	*[7,000]*	1.5 U	39.6	3.1 U	9.6 B	1.2 U	1.1 U
Cyanide	*[154]*	10 U	4.7 U	8.2 U	0.90 U	0.9 U	0.60 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2]= Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

TABLE B-2
Summary of Analytical Results for Monitoring Well T-2 and T-2A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-2 ECTGW2-01 4th 1998	T-2 ECTGW-02 2nd 1999	T-2A ECTGW2-07 4th 2000	T-2A ECTGW2-08 1st 2001
Volatile Organics					
Acetone	*[3,500]*	**10,000 B**	12,000 U	3,000	1,800
1,1-Dichloroethene	*[7]*	1,900 U	**1,900 J**	**800**	**82**
1,2-Dichloroethene(total)	*[70]*	1,900 U	**4,200**	**1,444**	**580**
Ethylbenzene	*[680]*	1,900 U	**1,900 J**	**800**	200
Methylene Chloride	*[156.6]*	**12,000 B**	**71,000**	**6,100**	**1,600 DJ**
Methyl ethyl ketone	*[170]*	**2,200 J**	12,000 U	2,000 U	1100
Methyl isobutyl ketone	*[1,750]*	**2,700 J**	**12,000 JB**	2,000 U	230 J
Tetrachloroethene	*[5.0]*	**17,000**	**79,000 D**	**53,000**	**17,000 DB**
Toluene	*[2,000]*	**3.600**	**22,000**	**8,800**	**2,400 D**
1,1,1-Trichloroethane	*[200]*	**31,000**	**91,000 D**	**30,000**	**6,400 D**
1,1,2 Trichloroethane	*[5.0]*	1,900 U	2,500 U	**77**	50 U
Trichloroethene	*[6.4]*	**6,000**	**190,000 D**	**50,000**	**15,000 DB**
Vinyl Chloride	*[5.0]*	1,900 U	2,500 U	**20**	50 U
Xylenes (total)	*[10,000]*	1,900 U	8,900	2,900	830
Semi-Volatile Organics					
Bis (2-ethylhexyl) phthalate	*[7.1]*	**1,300**	**8,000 J**	2.5 U	2 JB
Di-n-butyl phthalate	*[3,500]*	59 J	10,000 U	10 U	10 U
1,2-Dichlorobenzene	*[600]*	**6,900**	**77,000**	64.6	68
Diethylphthalate	*[28,000]*	500 U	10,000 U	10 U	10 U
Isoporone	*[8.5]*	**390 J**	10,000 U	8.3 U	10 U
Naphthalene	*[14,000]*	410 J	**18,000 J**	10 U	1 J
Phenol	*[1,400]*	200	10,000 U	10 U	7 J
Polychlorinated biphenyls					
Aroclor-1016	*[0.5]*	1 U	1.3 U	0.8 U	1 U
Aroclor-1221	*[1.0]*	2 U	2.5 U	0.8 U	2 U
Aroclor-1232	*[0.5]*	1 U	1.3 U	0.8 U	1 U
Aroclor-1242	*[0.5]*	1 U	1.3 U	0.8 U	1 U
Aroclor-1248	*[0.5]*	1 U	1.3 U	0.8 U	1 U
Aroclor-1254	*[0.5]*	1 U	1.3 U	0.8 U	1 U
Aroclor-1260	*[0.5]*	1 U	1.3 U	0.8 U	1 U
Inorganics					
Antimony	*[46.5]*	1.7 U	4.4 B	100 U	2.5 U
Arsenic	*[50]*	6.4 B	8.1 B	20 U	4.2 U
Barium	*[1,000]*	184	852	130	108 B
Beryllium	*[4]*	0.2 U	0.35 B	--	0.20 B
Cadmium	*[10]*	1.1	1.9 B	5 U	0.60 U
Chromium VI	*[50]*	10 U	10 U	10 U	NA*
Lead	*[50]*	0.7 U	1.0 U	50 U	1.7 U
Manganese	*[7,000]*	21	1.1 B	250	360
Nickel	*[150]*	2 B	3.8 B	10 U	17.7 B
Silver	*[50]*	0.4 U	0.4 U	10 U	0.50 U
Tin	*[21,000]*	4.7 U	33.5	--	9.0 U
Vanadium	*[245]*	1.2 B	3.1 B	50 U	3.8 B
Zinc	*[7,000]*	1.5 U	1.1 B	10 U	23.5
Cyanide	*[154]*	10 U	4.7 U	--	0.60 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

NA* = Sample was not analyzed due to laboratory error.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

D = Sample quantitated on a diluted sample.

J = Estimated value.

TABLE B-3
Summary of Analytical Results for Monitoring Well T-3
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-3 ECTGW3-01 4th 1998	T-3 ECTGW-03 2nd 1999	T-3 ECTGW3-05 4th 1999	T-3 ECTGW3-06 2nd 2000	T-3 ECTGW3-07 4th 2000	T-3 ECTGW3-08 1st 2001
Volatile Organics							
Acetone	[3,500]	550 JB	780 U	22 B	2 U	20	10
1,1-Dichloroethene	[7]	160 U	160 U	4.0	3	5 U	2
1,2-Dichloroethene(total)	[70]	**5,200**	**5,780**	**6,400 D**	**3,800 D**	**9,040**	**4,100 D**
Ethylbenzene	[680]	160 U	160 U	2.0	6	7	0.3 J
Methylene Chloride	[156.6]	**270 B**	**98 JB**	**6.0**	**5 B**	5 U	2
Methyl ethyl ketone	[170]	**780 U**	780 U	2.0 U	2 U	20 U	5 U
Methyl isobutyl ketone	[1,750]	**250 J**	780 U	99	7	20 U	5 U
Tetrachloroethene	[5.0]	160 U	160 U	**21**	**10**	**130**	**9**
Toluene	[2,000]	**280**	**190**	90 DJ	57 DJ	53	2
1,1,1-Trichloroethane	[200]	92 J	160 U	59 DJ	32 E	52	16
1,1,2 Trichloroethane	[5.0]	160 U	160 U	**3.0**	**2**	5 U	2
Trichloroethene	[6.4]	160 U	160 U	**49 DJ**	**21**	**70**	**15**
Vinyl Chloride	[5.0]	**280**	**270**	**470 D**	**160 D**	**300**	**290 D**
Xylenes (total)	[10,000]	**110 J**	160 U	46	20	36	6
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	[7.1]	**29**	**9 J**	**32**	**12**	2.5 U	10 U
Di-n-butyl phthalate	[3,500]	10 U	10 U	1.0 J	10 U	10 U	10 U
1,2-Dichlorobenzene	[600]	**21**	**9 J**	**24**	**4 J**	10 U	**2 B**
Diethylphthalate	[28,000]	10 U	10 U	11 U	10 U	10 U	10 U
Isoporone	[8.5]	3 J	3 J	11 U	10 U	8.3 U	10 U
Naphthalene	[14,000]	**4 J**	1 J	6.0 J	10 U	10 U	10 U
Phenol	[1,400]	10	10 U	1.0 J	10 U	10 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	[0.5]	1 U	0.51 U	0.49 U	0.56 U	0.6 U	1 U
Aroclor-1221	[1.0]	2 U	1.0 U	0.98 U	1.1 U	0.6 U	2 U
Aroclor-1232	[0.5]	1 U	0.51 U	0.49 U	0.56 U	0.6 U	1 U
Aroclor-1242	[0.5]	1 U	0.51 U	0.49 U	0.56 U	0.6 U	1 U
Aroclor-1248	[0.5]	1 U	0.51 U	0.49 U	0.56 U	0.6 U	1 U
Aroclor-1254	[0.5]	1 U	0.51 U	0.49 U	0.56 U	0.6 U	1 U
Aroclor-1260	[0.5]	1 U	**29 J**	0.49 U	0.56 U	0.6 U	1 U
Inorganics							
Antimony	[46.5]	1.7 U	2.0 B	2.2 B	1.5 U	100 U	2.5 U
Arsenic	[50]	9.7 B	10.6	8.8 B	4.6 B	20 U	7.4 B
Barium	[1,000]	189	478	263	230	280	192 B
Beryllium	[4]	1 U	0.68 B	0.29 B	0.1 U	--	0.10 U
Cadmium	[10]	0.7 U	1.9 B	0.31 B	0.3 U	5 U	0.60 U
Chromium VI	[50]	10 U	10 U	10.0 U	35.8	10 U	11.4
Lead	[50]	0.7 U	1.0 U	1.5 U	1.1 U	50 U	1.7 U
Manganese	[7,000]	24.7	151	167	195	240	548
Nickel	[150]	40.3	54.3	53.1	44.6	50	48
Silver	[50]	0.4 U	0.4 U	0.90 U	0.5 U	10 U	0.50 U
Tin	[21,000]	4.7 U	2.0 U	3.6 U	2.8 U	--	9.0 U
Vanadium	[245]	0.56 B	0.4 U	0.80 U	0.4 U	50 U	0.70 U
Zinc	[7,000]	1.5 U	30	3.1 U	3.6 U	10 U	3.7 B
Cyanide	[154]	26.7	27	21.1	6.8 B	--	2.9 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but >= instrument detection limit (inorganic).
D = Compound quantitated on a diluted sample.
U = Analyte not detected. The value shown is the associated detection limit.

TABLE B-4
Summary of Analytical Results for Monitoring Well T-4A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-4A ECTGW4A-01 4th 1998	T-4A ECTGW-04 2nd 1999	T-4A ECTGW4-05 4th 1999	T-4A ECTGW4-06 2nd 2000	T-4A ECTGW4-07 4th 2000	T-4A ECTGW4-08 1st 2001
Volatile Organics							
Acetone	*[3,500]*	2 U	2 U	3.0 B	2 U/2 U	5 U	5 U
1,1-Dichloroethene	*[7]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U	1 U
1,2-Dichloroethene(total)	*[70]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U	1 U
Ethylbenzene	*[680]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U	1 U
Methylene Chloride	*[156.6]*	2 B	1	0.5	1 B/0.7 B	0.8 J	0.6 J
Methyl ethyl ketone	*[170]*	2 U	2 U	0.7 J	2 U/2 U	5 U	5 U
Methyl isobutyl ketone	*[1,750]*	2 U	2 U	2.0 U	2 U/2 U	5 U	5 U
Tetrachloroethene	*[5.0]*	**4**	0.5 U	**2.0**	0.5 U/0.5 U	1 U	1 U
Toluene	*[2,000]*	0.6 B	0.5 U	0.4 J	0.3 J/0.2 J	1 U	1 U
1,1,1-Trichloroethane	*[200]*	0.5 U	0.5 U	1.0	0.5 U/0.5 U	1 U	1 U
1,1,2 Trichloroethane	*[5.0]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U	1 U
Trichloroethene	*[6.4]*	**5**	0.6	2.0	0.5 U/0.5 U	1 U	1 U
Vinyl Chloride	*[5.0]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U	1 U
Xylenes (total)	*[10,000]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U	1 U
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[7.1]*	**5 J**	10 U	**13**	**7 J/10**	2 J	3 JB
Di-n-butyl phthalate	*[3,500]*	10 U	10 U	10 U	10 U/10 U	10 U	10 U
1,2-Dichlorobenzene	*[600]*	10 U	10 U	10 U	10 U/10 U	1 U	1 U
Diethylphthalate	*[28,000]*	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Isoporone	*[8.5]*	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Naphthalene	*[14,000]*	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Phenol	*[1,400]*	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	*[0.5]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1.0 U	1.1 U	1.0 U/1.0 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U	1.0 U
Inorganics							
Antimony	*[46.5]*	1.7 U	1.0 U	1.8 U	1.5 U/1.5 U	2.6 B	2.5 U
Arsenic	*[50]*	1.7 B	1.4 U	7.6 U	2.1 U/5.2 B	3.4 U	4.2 U
Barium	*[1,000]*	197	255	67.1	47.9/93.1	40.4 B	40.6 B
Beryllium	*[4]*	0.2 U	0.34 B	0.39 B	0.1 U/0.1 U	0.2 U	0.10 U
Cadmium	*[10]*	1.1 B	1.7 B	0.30 U	0.3 U/0.3 U	0.3 U	0.60 U
Chromium VI	*[50]*	10 U	10 U	10.0 U	**113/80.4**	10 U	10 U
Lead	*[50]*	0.7 U	1.0 U	1.5 U	1.1 U/4.1	2.1 U	1.7 U
Manganese	*[7,000]*	63	191	289	85.2/293	330	49.1
Nickel	*[150]*	7.2 B	11.1	5.3	5.6/18	7.8 B	6.6 B
Silver	*[50]*	0.4 U	0.4 U	0.90 U	0.5 U/0.5 U	0.4 U	0.50 U
Tin	*[21,000]*	4.7 U	2.0 U	3.6 U	2.8 U/2.8 U	6.1 U	9.0 U
Vanadium	*[245]*	0.4 U	0.4 U	0.80 U	0.4 U/11.8 B	0.7 U	0.70 U
Zinc	*[7,000]*	1.5 U	30.8	3.1 U	3.6 U/40.4	1.2 U	1.1 U
Cyanide	*[154]*	10 U	4.7 U	8.2 U	0.9 U/0.9 U	1.1 B	0.69 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2]= Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Duplicate sample result.

TABLE B-5
Summary of Analytical Results for Monitoring Well T-5
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-5 ECTGW5-01 4th 1998	T-5 ECTGW5-02 1st 1999	T-5 ECTGW5-03 2nd 1999	T-5 ECTGW5-04 3rd 1999	T-5 ECTGW5-05 4th 1999	T-5 ECTGW5-06 2nd 2000	T-5 ECTGW5-07 4th 2000	T-5 ECTGW5-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.4 J	0.1 J	0.9	1.0 B	2 U	0.5 J
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1 U	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	4 J	12 U	12 U	9.0 U	7.0 J	1 J	1 J	1 JB
Di-n-butyl phthalate	*[154,000]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	10 U	10U
1,2-Dichlorobenzene	*[763]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	1 U	1 U
Diethylphthalate	*[52,100]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	10 U	10U
Naphthalene	*[620]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	10 U	10U
Phenol	*[570]*	10 U	12 U	2 J	9.0 U	9.0 U	10 U	10 U	10U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.0 U	1.0 U	1.0 U	0.94 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14]*	2.3 B	1.4 U	3.0 B	2.1 B	7.6 U	2.1 U	3.9 B	4.2 U
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10 U	100	10 U	10 U
Lead	*[26.8]*	0.7 U	1.3 B	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	1.4 B	0.8 U	3.3 B	3.2 B	2.6 B	3.2 U	3.0 B	1.3 U
Zinc	*[152]*	1.5 U	24.1	13.5 B	9.7 B	114	18 B	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.3 B	0.60 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

TABLE B-6
Summary of Analytical Results for Monitoring Well T-6
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-6 ECTGW6-01 4th 1998	T-6 ECTGW6-02 1st 1999	T-6 ECTGW6-02 2nd 1999	T-6 ECTGW6-02 3rd 1999	T-6 ECTGW6-02 4th 1999	T-6 ECTGW6-06 2nd 2000	T-6 ECTGW6-07 4th 2000	T-6 ECTGW6-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	500 U	1,200 U	620 U	**4.0**	**37**	1200 U	1000 U	250 U
1,2-Dichloroethene(total)	*[9.4]*	**20,000**	**47,000**	**54,000 D**	**71,300 D**	**11,750 D**	**36,000**	**18,000**	**33,000 D**
Ethylbenzene	*[3,280]*	500 U	1,200 U	620 U	10	140	230 J	240 J	350
Methylene Chloride	*[15.7]*	**970 B**	**1,500 B**	**570 JB**	7.0	**97**	**920 JB**	2,000 U	**200 J**
Tetrachloroethene	*[8.85]*	500 U	1,200 U	620 U	0.3 J	4.0 J	1200 U	1000 U	250 U
Toluene	*[3,400]*	1,100	2,300	**4,300**	72 E	620 D	**3,800**	2,900	**3,900**
1,1,1-Trichloroethane	*[5,280]*	940	920 J	4,100	2,500 D	25 U	1,800	1000 U	560
1,1,2-Trichloroethane	*[41.8]*	500 U	1,200 U	620 U	0.5 U	25 U	1200 U	1000 U	250 U
Trichloroethene	*[80.7]*	500 U	1,200 U	620 U	0.6	8.0 J	1200 U	1000 U	250 U
Vinyl chloride	*[525]*	430 J	**1,100 J**	**2,500**	110 E	**1,200 D**	**1,500**	**10,000**	**9,900 D**
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	19 U	1 J	50 U	4.0 J	0.8 J	1 J	10 U
Di-n-butyl phthalate	*[154,000]*	11 U	19 U	10 U	50 U	9.0 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	26 U	27 D	52 D	34 J	29	68	250 J	140 JB
Diethylphthalate	*[52,100]*	3 J	19 U	1 J	50 U	2.0 J	4 J	6 J	3 J
Naphthalene	*[620]*	14	7 DJ	10 J	11 J	9.0 J	24	21	17
Phenol	*[570]*	**870 D**	200 D	230 D	520	390 D	120 D	390 D	260 D
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.1 U	1.0 U	1.0 U	0.98 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.2 P	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14]*	**25.9 B**	**29.1**	**36.8**	**42.3**	**43.2**	**60.8**	**48.8**	**55.2**
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10.0 U	**17.6**	10 U	13.4
Lead	*[26.8]*	0.7 U	0.7 U	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	43	31	31.2	44.5	39.9	40.3	43.8	26.2 B
Zinc	*[152]*	1.5 U	**200**	19.0 B	12.8 B	27.3	3.6 U	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	3.4 B	8.2 U	0.9 U	1.9 B	1.1 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values. USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

P = Indicates a 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.

TABLE B-7
Summary of Analytical Results for Monitoring Well T-7
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-7 ECTGW7-01 4th 1998	T-7 ECTGW7-02 1st 1999	T-7 ECTGW-07 2nd 1999	T-7 ECTGW7-02 3rd 1999	T-7 ECTGW7-02 4th 1999	T-7 ECTGW7-06 2nd 2000	T-7 ECTGW7-07 4th 2000	T-7 ECTGW7-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U	4 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	**23**	**93**	**69**	**123 D**	**64 D**	**59**	**26**	**31**
Ethylbenzene	*[3,280]*	0.8 U	2 U	2 U	1.0	2.0	3	4 U	0.6 J
Methylene Chloride	*[15.7]*	2 B	3 B	2 JB	1.0	0.6	3 B	8 U	1 J
Tetrachloroethene	*[8.85]*	0.4 J	2 U	2 U	2.0	3.0	3	4 U	0.6 J
Toluene	*[3,400]*	4	13	2 U	18	18	24	4	6
1,1,1-Trichloroethane	*[5,280]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U	4 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U	4 U	1 U
Trichloroethene	*[80.7]*	4	13	8	17	12	14	3 J	4
Vinyl chloride	*[525]*	0.6 J	1 J	1 J	3.0	2.0	7	0.7 J	1
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	10 U	2 J	2.0 J	1.0 J	2 J	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	2 J	10 U	10 U	10 U	10 U	2 J	4 U	0.5 JB
Diethylphthalate	*[52,100]*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	*[570]*	29 U	13	18	80	18	47	23	18
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	0.99 U	1.1 U	1.0 U	0.91 U	1.0 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.54 U	0.10 J	0.45 U	0.53 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14]*	3.5 B	1.4 U	1.4 U	2.0 U	7.6 U	2.1 U	3.4 U	4.2 U
Chromium VI	*[86]*	10 U	10	10 U	10.0 U	10.0 U	10 U	10 U	10 U
Lead	*[26.8]*	0.88 B	1.8 B	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	6.8	6.8	7.2	8.5	5.0	6.9	4.4 B	4.7 B
Zinc	*[152]*	1.5 U	46.6	0.40 U	1.1 U	3.1 U	10.6 B	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.9 U	1.1 B	0.60 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

TABLE B-8
Summary of Analytical Results for Monitoring Well T-8
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-8 ECTGW8-01 4th 1998	T-8 ECTGW8-02 1st 1999	T-8 ECTGW-08 2nd 1999	T-8 ECTGW8-02 3rd 1999	T-8 ECTGW8-02 4th 1999	T-8 ECTGW8-06 2nd 2000	T-8 ECTGW8-07 4th 2000	T-8 ECTGW8-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	**10 B**	**6**	**6**	**6.0**	**3.0**	5	6	3
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.5 JB	0.2 J	2.0	2 B	2 U	2 U
Tetrachloroethene	*[8.85]*	7	0.5 U	1	0.7	0.5 J	0.2 J	0.2 J	1 U
Toluene	*[3,400]*	0.9 B	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1 U	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	1 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Trichloroethene	*[80.7]*	10	0.5 J	2	1.0	0.9	0.7	0.9 J	0.3 J
Vinyl chloride	*[525]*	1	1	0.4 J	0.4 J	0.3 J	0.4 J	0.2 J	1 U
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	10 U	9 U	1.0 J	1.0 JB	1 J	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	9 U	10 U	10 U	11 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	2 J	10 U	9 U	10 U	10 U	11 U	1 U	1 U
Diethylphthalate	*[52,100]*	10 U	10 U	9 U	10 U	10 U	11 U	10 U	10 U
Naphthalene	*[620]*	10 U	10 U	9 U	10 U	10 U	11 U	10 U	10 U
Phenol	*[570]*	16	10 U	9 U	3.0 J	10 U	11 U	10 U	10 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.0 U	0.91 U	0.98 U	1.0 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14]*	1.7 U	1.4 U	2.0 B	2.0 U	7.6 U	2.1 U	3.4 U	4.2 U
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10.0 U	10 U	10 U	10 U
Lead	*[26.8]*	1.1 B	2.0 B	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	3.7 B	1.8 B	2.5 B	2.1 B	2.3 B	3.2 U	3.5 B	2.3 B
Zinc	*[152]*	1.5 U	**107**	9.8 B	29.1	7.4 B	10.7 B	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.0 B	0.85 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values. USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for *these analytes since the detection limits are above their respective* Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Duplicate sample result.

TABLE B-9
Summary of Analytical Results for Monitoring Well T-9
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-9 ECTGW9-01 4th 1998	T-9 ECTGW9-02 1st 1999	T-9 ECTGW9-03 2nd 1999	T-9 ECTGW9-04 3rd 1999	T-9 ECTGW9-05 4th 1999	T-9 ECTGW9-06 2nd 2000	T-9 ECTGW9-07 4th 2000	T-9 ECTGW9-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U	10 U/10 U
1,2-Dichloroethene(total)	*[9.4]*	1	1 U/0.8 U	0.6/0.6	**4.0**	0.8	**12**	**50/50 D**	**69/68**
Ethylbenzene	*[3,280]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U	10 U/10 U
Methylene Chloride	*[15.7]*	2 B	2 B/ 0.8 U	0.6 B/0.9 B	0.5 JB	0.5 U	0.9 B	17 U/2 J	20 U/20 U
Tetrachloroethene	*[8.85]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U	10 U/10 U
Toluene	*[3,400]*	0.5 U	1 U/0.8 U	0.3 J/0.2 J	0.5 U	0.5 U	0.2 J	8 U/0.2 J	10 U/10 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U	10 U/10 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	2 J/0.2 J	10 U/10 U
Trichloroethene	*[80.7]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U	10 U/10 U
Vinyl chloride	*[525]*	0.5 U	56/38	35 D/43 D	0.5 U	34 D	210 D	110/90 D	170/160
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	4 J	12/1 J	4 J/1 J	6.0 J	10 U	3 J	10 U/10 U	10 U/10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U	10 U/10 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	8 U/1 U	10 U/10 U
Diethylphthalate	*[52,100]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U	10 U/10 U
Naphthalene	*[620]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U	10 U/10 U
Phenol	*[570]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U	10 U/10 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1221	*[1.0]*	2 U	0.48 U/0.48 U	1.1 U/1.0 U	1.0 U	0.94 U	ND	2.0 U/2.0 U	2.0 U/2.0 U
Aroclor-1232	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1242	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1248	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1254	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1260	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U	1.0 U/1.0 U
Inorganics									
Arsenic	*[14]*	1.7 U	1.4 U/1.4 U	1.4 U/1.5 B	2.0 U	7.6 B	2.6 B	3.4 U/3.4 U	4.2 U/4.2 U
Chromium VI	*[86]*	10 U	10 U/10 U	10 U/10 U	10.0 U	10.0 U	**99.9**	10 U/10 U	10 U/10 U
Lead	*[26.8]*	0.7 U	1.4 B/2.0 B	1.0 U/1.0 U	1.0 U	1.5 U	1.1 U	2.1 U/2.1 U	1.7 U/1.7 U
Nickel	*[100]*	14.8 B	15/13.8	16.6/17.5	15.6	16.7	17.5	16.0 B/15.9 B	16.4 B/16.3 B
Zinc	*[152]*	11.9 U	**160/49.4**	18.0 B/**191**	4.2 B	3.1 U	7.3 B	1.2 U/1.2 U	1.1 U/1.1 U
Cyanide	*[23.9]*	10 U	10 U/10 U	4.7 U/4.7 U	2.8 U	8.2 U	0.9 U	0.99 B/0.98 B	0.70 B/0.60 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

1 U/0.8 U = Sample result/Duplicate sample result.

TABLE B-10
Summary of Analytical Results for Monitoring Well T-10
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-10 ECTGW10-01 4th 1998	T-10 ECTGW10-02 1st 1999	T-10 ECTGW-10 2nd 1999	T-10 ECTGW10-04 3rd 1999	T-10 ECTGW10-05 4th 1999	T-10 ECTGW10-06 2nd 2000	T-10 ECTGW10-07 4th 2000	T-10 ECTGW10-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	25 U	6 U	0.4 J	0.5	0.4 J	62 U	1 U	13 U
1,2-Dichloroethene(total)	*[9.4]*	**930**	**190**	**228 D**	**19.4 D**	**419 D**	**400**	**240 D**	**210**
Ethylbenzene	*[3,280]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U	1 U	13 U
Methylene Chloride	*[15.7]*	**50 B**	7 B	0.6 B	0.4 JB	0.3 J	12 JB	2 U	25 U
Tetrachloroethene	*[8.85]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U	1 U	3 JB
Toluene	*[3,400]*	25 U	6 U	0.5 U	0.5 U	0.5 U	3 J	0.2 J	13 U
1,1,1-Trichloroethane	*[5,280]*	130	15	19	18	19	16	8	7 J
1,1,2-Trichloroethane	*[41.8]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U	1 U	13 U
Trichloroethene	*[80.7]*	25 U	6 U	2	2.0	2.0	3 J	1.0	2 JB
Vinyl chloride	*[525]*	25 U	6 U	5	0.5 U	0.5 U	16	14	6 J
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	1 J	3 J	2.0 J	1.0 JB	1 J	1 J	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	9 U	11 U	10 U	9.0 U	10 U	1 U	13 U
Diethylphthalate	*[52,100]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U	10 U
Phenol	*[570]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U	10 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U	1 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.0 U	1.0 U	0.92 U	1.2 U	2.0 U	2 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U	1 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U	1 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U	1 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	0.25 J	1 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U	1 U
Inorganics									
Arsenic	*[14]*	6.9 B	1.7 B	1.4 U	4.4 B	7.6 U	2.1 U	3.4 U	5.3 B
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10.0 U	**156**	10 U	10 U
Lead	*[26.8]*	0.84 B	0.97 B	1.5 B	1.0 U	1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	20.7	13.9	14.2	12.4	12.7	11.6	14.2 B	14.9 B
Zinc	*[152]*	1.5 U	**192**	**67.3**	7.2 B	16.4 B	3.6 U	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.6 B	0.66 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

TABLE B-11
Summary of Analytical Results for Monitoring Well S-1
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-1 ECSGW1-01 4th 1998	S-1 ECSGW1-02 1st 1999	S-1 ECSGW-03 2nd 1999	S-1 ECSGW1-04 3rd 1999	S-1 ECSGW1-05 4th 1999	S-1 ECSGW1-06 2nd 2000	S-1 ECSGW1-07 4th 2000	S-1 ECSGW1-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U	1 U/1 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	1 U/1 U	1 U/1 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U	1 U/1 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.7	0.5 JB	0.5 J	2 B	0.8 J/2 U	2 U/0.7 J
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U	1 U/1 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.7 J/1 U	1 U/1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U	1 U/1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U	1 U/1 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	1 U/1 U	1 U/1 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U	1 U/1 U
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U	10 U/ 1 JB
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U	10 U/ 10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	1 U/1 U	1 U/1 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U	10 U/ 10 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U	10 U/ 10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U	10 U/ 10 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1221	*[1.0]*	2 U/2 U	0.95 U	1.1 U	1.0 U	1.0 U	0.93 U	2.0 U/2.0 U	2.0 U/2.0 U
Aroclor-1232	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1242	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1248	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1254	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U	1.0 U/1.0 U
Aroclor-1260	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U	1.0 U/1.0 U
Inorganics									
Arsenic	*[14.0]*	1.7 U/1.7 U	1.4 B	1.4 U	2.0 U	7.6 U	2.1 U	3.4 U/3.4 U	4.2 U/4.2 U
Chromium VI	*[86.0]*	10 U/10 U	10 U	10 U	10.0 U	10.0 U	15.1	10 U/10 U	10 U/10 U
Lead	*[26.8]*	0.81 B/ 0.7 U	0.7 U	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U/2.1 U	1.7 U/1.7 U
Nickel	*[100]*	0.7 U/0.7 U	1.3 B	1.3 B	1.0 U	1.1 U	3.2 U	0.96 B/0.96 B	1.3 U/1.3 U
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	4.8 B	1.1 U	3.1 U	3.6 U	1.2 U/1.2 U	1.1 U/1.1 U
Cyanide	*[23.9]*	10 U/10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.1 B/1.3 B	0.60 U/0.60 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Sample result/Duplicate sample result.

TABLE B-12
Summary of Analytical Results for Monitoring Well S-2
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-2 ECSGW2-01 4th 1998	S-2 ECSGW2-02 1st 1999	S-2 ECSGW-02 2nd 1999	S-2 ECSGW2-04 3rd 1999	S-2 ECSGW2-05 4th 1999	S-2 ECSGW2-06 2nd 2000	S-2 ECSGW2-07 4th 2000	S-2 ECSGW2-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	3	2	0.5 U	0.6	2.0/0.8	0.4 J	0.4 J	0.3 J
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
Methylene Chloride	*[15.7]*	2 B	0.8 B	0.3 J	0.5 U	2.0/1.0	2 B	2 U	0.6 J
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.9/0.7	0.5 U	1 U	1 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J/0.2 J	0.4 J	0.2 J	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5/0.4 J	0.5 U	1 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	0.9/0.9	0.5 U	1 U	1 U
Vinyl chloride	*[525]*	3	0.4 J	0.5 U	0.6	0.8/0.7	0.9	0.2 J	0.4 J
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	1.0 J	10 U/10 U	10 U	11 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	4.0 J	10 U/10 U	10 U	11 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	1 U	1 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	11 U	10 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	11 U	10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	11 U	10 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U/ 2U	1 U	1.0 U	1.1 U	1.0 U/1.0 U	0.93 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14.0]*	1.7 U/ 1.7 U	1.4 U	1.4 U	2.0 U	7.6 U/7.6 U	2.1 U	3.4 U	4.2 U
Chromium VI	*[86.0]*	10 U/10 U	10 U	10 U	10.0 U	10.0 U/10.0 U	10 U	10 U	10 U
Lead	*[26.8]*	0.7 U/0.7 U	0.7 U	1.0 U	1.0 U	1.5 U/1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	4 B/3.8 B	4.8 B	5	4.7 B	4.8 B/6.1 U	4.4 B	6.2 B	5.8 B
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	12.4	1.1 U	3.1 U/3.1 U	3.6 U	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U/10 U	10 U	4.7 U	2.8 U	8.2 U/8.2 U	0.90 U	0.95 B	0.60 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Sample result/Duplicate sample result.

TABLE B-13
Summary of Analytical Results for Monitoring Well S-3
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Aeceptable Stream Concentration	S-3 ECSGW3-01 4th 1998	S-3 ECSGW3-02 1st 1999	S-3 ECSGW-03 2nd 1999	S-3 ECSGW3-04 3rd 1999	S-3 ECSGW3-05 4th 1999	S-3 ECSGW3-06 2nd 2000	S-3 ECSGW3-07 4th 2000	S-3 ECSGW3-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.1 J/0.5 U	0.5 U	1 U	1 U
Methylene Chloride	*[15.7]*	2.0 B/2.0 B	0.6 B	0.9	0.2 J	0.5 U/2.0	0.6 B	2 U	0.7 J
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
Toluene	*[3,400]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.2 J	1 U	0.1 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	0.5 U	0.3 J	0.5 U	0.5 U/0.5 U	0.5 U	1 U	1 U
Vinyl chloride	*[525]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.3 J	0.7	1	1
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	1 U	1 U
Diethylphthalate	*[52,100]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U	10 U
Phenol	*[570]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U	10 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2.0 U/2.0 U	0.95 U	1 U	1 U	0.92 U/1.0 U	1.0 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14.0]*	1.7 U/1.7 U	1.4 U	4.4 B	2.0 U	7.6 U/7.6 U	2.1 U	3.4 U	4.2 U
Chromium VI	*[86.0]*	10 U / 10 U	10 U	10 U	10.0 U	10.0 U/10.0 U	10 U	10 U	10 U
Lead	*[26.8]*	0.7 U/0.76 B	0.7 U	1 U	1.0 U	1.5 U/1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	2.3 B/2.2 B	2.8 B	10.4	8.8	9.0/9.1	8.7	9.1 B	9.5 B
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	0.4 U	1.1 U	3.1 U/3.1 U	3.6 U	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U / 10 U	10 U	4.7 U	2.8 U	8.2 U/8.2 U	0.90 U	0.90 U	0.6 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Sample result/Duplicate sample result.

TABLE B-14
Summary of Analytical Results for Monitoring Well S-4A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-4 ECSGW4-01 4th 1998	S-4A ECSGW4A-02 1st 1999	S-4A ECSGW-04 2nd 1999	S-4A ECSGW4-04 3rd 1999	S-4A ECSGW4-05 4th 1999	S-4A ECSGW4-06 2nd 2000	S-4A ECSGW4-07 4th 2000	S-4A ECSGW4-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0 5 U	1 U	5 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U/1.0	**87**	**100/87**	**85.8 D/91.9 D**	**66.5 E**	**62/36**	**73 D**	**86**
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U	5 U
Methylene Chloride	*[15.7]*	2 B/3 B	3 B	4 U/4 U	0.3 J/0.3 J	1.0	3 D/ 3 JB	0.8 J	10 U
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U	2 J
Toluene	*[3,400]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.7 J/0.7 J	1 U	5 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U	5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U	5 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U	5 U
Vinyl chloride	*[525]*	0.5 U/0.5 U	2 J	3 J/ 3J	0.5 U/0.5 U	7.0	3/2 J	5	6
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U/1 J	10 U/10 U	10 U	9 U/11 U	10 U	11 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U	11 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	1 U	5 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U	11 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U	11 U
Phenol	*[570]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U	11 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U/ 1.9 U	1.0 U	0.93 U/1.0 U	1.1 U/1.0 U	1.0 U	0.94 U/0.95 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	0.11 J	1.0 U
Aroclor-1260	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14.0]*	1.7 U/1.7 U	2.5 B	2.0 B/1.4 U	2.0 U/2.0 U	7.6 U	2.1 U/2.1 U	3.4 U	4.2 U
Chromium VI	*[86.0]*	10 U/10 U	10 U	10 U/10 U	10.0 U/10.0 U	10.0 U	**11.2**/10 U	10 U	10 U
Lead	*[26.8]*	0.7 U/0.7 U	1.2 B	1.0 U/1.0 U	1.0 U/1.0 U	1.5 U	1.1 U/1.1 U	2.1 U	1.7 U
Nickel	*[100]*	0.7 U/0.84 B	1.6 B	2.1 B/1.4 B	1.0 U/1.0 U	1.1 U	3.2 U/3.2 U	1.9 B	1.3 U
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	0.40 U/0.4 U	1.1 U/1.1 U	3.1 U	3.6 U/3.6 U	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U/10 U	10 U	4.7 U/4.7 U	2.8 U/2.8 U	8.2 U	0.90 U/0.90 U	0.90 U	0.60 U

Notes:

All concentrations are in ug/L.
Concentrations in boid exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000. Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inoreanic).

J = Estimated Value.

1 U/0.8 U = Sample result/Duplicate sample result.

D = Compound quantitated on a diluted sample.

E = Exceeds the upper limit of the calibration range of the instrument for that specific analysis.

TABLE B-15
Summary of Analytical Results for Monitoring Well ECC MW13
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	ECC MW-13 ECTGWMW13-01 4th 1998	ECC MW13 ECSGWMW1302 1st 1999	ECC MW13 ECSL-WMW-13 2nd 1999	MW13 ECSGWM13-04 3rd 1999	MW13 ECSGWM13-05 4th 1999	MW13 ECSGWM13-06 2nd 2000	MW13 ECSGWM13-07 4th 2000	MW13 ECSGWM13-08 1st 2001
Volatile Organics									
1,1-Dichloroethene	*[1.85]*	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	46	8	2.5	2.3	3.0	1	1	1 J
Ethylbenzene	*[3,280]*	3	1	0.5	0.5 U	0.2 J	0.5 U	1 U	1 U
Methylene Chloride	*[15.7]*	3 B	1 B	1 B	0.8	1.0	3 B	0.7 J	0.7 J
Tetrachloroethene	*[8.85]*	1 U	1 U	0.5 U	0.5 U	0.4 J	0.1 J	1 U	1 U
Toluene	*[3,400]*	0.5 J	1 U	0.5 U	0.5 U	0.2 J	0.4 J	1 U	1 U
1,1,1-Trichloroethane	*[5,280]*	2	0.9 J	0.7	0.3 J	0.6	0.4 J	0.2 J	0.3 J
1,1,2-Trichloroethane	*[41.8]*	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U
Trichloroethene	*[80.7]*	1 U	0.5 J	0.6	0.5 J	0.7	0.5	0.5 J	0.4 J
Vinyl chloride	*[525]*	1 U	3	0.5 U	0.6	2.0	0.4 J	0.3 J	1 U
Semi-Volatile Organics									
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U	9 U	10 U	10 U	10 U	1 U	1 U
Diethylphthalate	*[52,100]*	10 U	10 U	9 U	1.0 J	10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U	10 U
Phenol	*[570]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U	10 U
Polychlorinated biphenyls									
Aroclor-1016	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	0.94 U	1.0 U	1.0 U	0.92 U	1.0 U	2.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U	1.0 U
Inorganics									
Arsenic	*[14.0]*	8.4 B	8.1 B	12.7	**21.5**	**23**	11.6	**21.2**	**18.5**
Chromium VI	*[86.0]*	10 U	10 U	10 U	10.0 U	10.0 U	10 U	10 U	13.3
Lead	*[26.8]*	0.7 U	0.7 U	1.0 U	2.5 B	1.5 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	14	6.2	4.8 B	6.2	6.0	7.8	8.9 B	6.2 B
Zinc	*[152.0]*	26.5	0.8 U	0.40 U	1.1 U	3.1 U	3.6 U	1.2 U	1.1 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.4 B	0.77 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

TABLE B-16
Summary of Analytical Results for Location SW-1
ECC Superfund Site

SAMPLE LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	SW-1 ECSW1-01 4th 1998	SW-1 ECSW1-02 1st 1999	SW-1 ECSW1-03 2nd 1999	SW-1 ECSW1-06 2nd 2000	SW-1 ECSW1-07 4th 2000	SW-1 ECSW1-08 1st 2001
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
1,2-Dichloroethene(total)	*[9.4]**	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Methylene chloride	*[15.7]*	1 B	0.8 B	1	0.8	2.0 U	2 U
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.2 J	1.0 U	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	2 J	5 J	10 U	11 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	10 U	10 U	11 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U	10 U	10 U	1 U	1 U
Diethyl phthalate	*[52,100]*	10 U	10 U	10 U	10 U	11 U	10 U
Naphthalene	*[620]*	10 U	10 U	10 U	10 U	11 U	10 U
Phenol	*[570]*	10 U	10 U	10 U	10 U	11 U	10 U
Polychlorinated biphenyls							
Aroclor 1016	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U	1.0 U
Aroclor 1221	*[1.0]**	2 U	0.97 U	1 U	1.0 U	2.0 U	2.0 U
Aroclor 1232	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U	1.0 U
Aroclor 1242	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U	1.0 U
Aroclor 1248	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U	1.0 U
Aroclor 1254	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U	1.0 U
Aroclor 1260	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U	1.0 U
Inorganics							
Arsenic	*[14.0]**	1.7 U	1.4 U	2.9 B	2.1 U	3.4 U	4.2 U
Chromium VI	*[86.0]**	10 U	10 U	10 U	10 U	10 U	10.4
Lead	*[26.8]**	0.7 U	1.6 B	1 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	15.9 U	8.2	20.5	9.2	6.2 B	10.0 B
Zinc	*[152.0]**	1.5 U	3.8 B	14.2 B	3.6 U	1.2 U	1.1 U
Cyanide	*[23.9]**	10 U	10 U	10.3	2.1 B	2.4 B	1.8 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
*[2]** = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).
J = Estimated Value.
D = Compound quantitated on a diluted sample.
0.5 U/0.5 U = Sample result/Duplicate sample results

TABLE B-17
Summary of Analytical Results for Location SW-2
ECC Superfund Site

SAMPLE LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	SW-2 ECSW201 4th 1998	SW-2 ECSW2-02 1st 1999	SW-2 ECSW-02 2nd 1999	SW-2 ECSW2-06 2nd 2000	SW-2 ECSW2-07 4th 2000	SW-2 ECSW2-08 1st 2001
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
1,2-Dichloroethene (total)	*[9.4]**	0.5 J/0.3 J	0.8	1	0.3 J	0.6 J	2
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Methylene Chloride	*[15.7]*	2 B/1 B	0.8 B	2 B	1	0.9 J	2 U
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Toluene	*[3,400]*	0.5 U/0.5 U	0.5 U	0.5 U	0.2 J	0.2 J	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	0.2 J
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1 U
Vinyl Chloride	*[525]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	1 U	1 U
Diethyl Phthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U	10 U	10 U	10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U	10 U
Polychlorinated biphenyls							
Aroclor 1016	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U	1.0 U
Aroclor 1221	*[1.0]**	2 U/2 U	0.95 U	0.99 U	0.93 U	2.0 U	2.0 U
Aroclor 1232	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U	1.0 U
Aroclor 1242	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U	1.0 U
Aroclor 1248	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U	1.0 U
Aroclor 1254	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U	1.0 U
Aroclor 1260	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U	1.0 U
Inorganics							
Arsenic	*[14.0]**	2.1 B/ 2.1 B	1.4 U	4.6 B	2.1 U	3.4 U	4.2 U
Chromium VI	*[86.0]**	10 U/10 U	10 U	10 U	10 U	10 U	10 U
Lead	*[26.8]**	0.7 U/0.7 U	1.2 B	1.0 U	1.1 U	2.1 U	1.7 U
Nickel	*[100]*	13.5 U/14 U	8.3	19.7	9	6.1 B	9.7 B
Zinc	*[152.0]**	1.5 U/1.5 U	2.4 B	6.5 B	3.6 U	1.2 U	1.1 U
Cyanide (Total)	*[23.9]**	10 U/10 U	10 U	7.1 B	2.1 B	2.6 B	1.9 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
*[2]** = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).
J = Estimated Value.
D = Compound quantitated on a diluted sample.
0.5 U/0.5 U = Sample result/Duplicate sample result.

TABLE B-18
Summary of Analytical Results for Location SW-3
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	SW-3 ECSW3-06 2nd 2000
Volatile Organics		
1,1-Dichloroethene	*[1.85]*	0.5 U
1,2-Dichloroethene (total)	*[1.85]*	**15**
Ethylbenzene	*[3,280]*	0.5 U
Methylene Chloride	*[15.7]*	1
Tetrachloroethene	*[8.85]*	0.5 U
Toluene	[3,400]	0.3 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U
Trichloroethene	*[80.7]*	0.1 J
Vinyl chloride	*[525]*	12
Semi-Volatile Organics		
Bis(2-ethylhexyl)phthalate	*[50,000]*	10 U
Di-n-butylphthalate	*[154,000]*	10 U
1,2-Dichlorobenzene	*[763]*	10 U
Diethylphthalate	*[52,100]*	10 U
Naphthalene	*[620]*	10 U
Phenol	*[570]*	10 U
Polychlorinated biphenyls		
Aroclor-1016	*[1.0]*	0.48 U
Aroclor-1221	*[2.0]*	0.96 U
Aroclor-1232	*[1.0]*	0.48 U
Aroclor-1242	*[1.0]*	0.48 U
Aroclor-1248	*[1.0]*	0.48 U
Aroclor-1254	*[1 0]*	0.48 U
Aroclor-1260	*[1.0]*	0.48 U
Inorganics		
Arsenic	*[10]*	2.1 U
Chromium VI	*[11]*	10 U
Lead	*[10]*	1.1 U
Nickel	*[100]*	8.6
Zinc	*[47]*	7.7 B
Cyanide	*[5.2]*	0.9 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

0.5 U/0.5 U = Duplicate sample result.